

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:


California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the ONE choice below that best explains your request to the Board.

- ☒ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
☐ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification			
<i>All respondents must complete this section.</i>			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name Butte Regional Waste Management Authority		County Butte	
Authorized Signature 		Title Director of Public Works	
Typed/Print Name of Person Signing Mike Crump		Date 5/9/02	Phone () Include Area Code (530) 538-7581
Person Completing This Form (please print or type) Bonnie Low		Title Recycling Coordinator	
Affiliation: Butte County			
Mailing Address 7 County Center Drive		City Oroville	State CA
			ZIP Code 95965
E-Mail Address bonnielow@buttecounty.net			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base year:

1997

2. Proposed new generation-based study year:

2000

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

2000 was an average year for disposal and diversion as compared to recent years. The purpose of this study is to accurately account for all diversion by submitting a diversion-based annual report. Our research shows that the Board approved adjustment factors do not adequately represent diversion progress in our jurisdiction.

4. Enter diversion rate information below.

Diversion rate calculated using existing base year	a. 30 %	Diversion rate calculated using new generation-based study	b. 40 %
For existing base year pounds/person/day based on generation	N/A	For new generation based study pounds/person/day based on generation	2.74
Residential generation %	Non-Residential generation %	Residential generation 10 %	Non-Residential generation 90 %
Population existing generation-based study		Population new generation-based study	

5. If there is an increase from 4a to 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples (e.g., change in jurisdiction's demographics).

There are no significant changes either in population or demographics. The original SRRE used various residential vs. non-residential %'s for the three jurisdictions that make up the BRWMA. However, we believe the original % for unincorporated Butte County was mis-reported as a figure of 35% non-residential and 65% residential was used. The non-residential percentage is too high, as there is little commercial and industrial development in unincorporated Butte County. It is our feeling that this skewed percentage adversely impacts our overall diversion percentage when using the Board approved adjustment method. Additionally, there are many grass-roots type recycling programs locally that are not accurately accounted for when disposal-based reporting is used. For these reasons, diversion-based reporting more accurately represents the programs the BRWMA has in place.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

We have improved our data collection techniques and are able to more accurately represent the programs that we have in place. One hauler has significantly improved their diversion reporting capabilities and another major hauler has implemented new programs in Paradise and Biggs. Additionally, our non-profit curbside recycling program is really starting to show progress and the commercial sector is starting to independently implement cost saving recycling programs.

9. Specific Non-Residential Sector Waste Audits--Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.
(Table will perform all addition calculations).

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, greascycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other ____
Printing Company		Paper recycling		16367		16366.5		P
Landfill		inerts, wood waste, scrap metal		16312		16312.42		O -qtrly report
Construction Company		asphalt, concrete, steel		8820		8820		M
Recycling Company		mixed commercial recycling		6223		6222.67		O-qtrly report
MRF		mixed commercial recycling		3771		3771.26		O-qtrly report
Thrift Stores		furniture, clothing, books, etc.		3406		3405.6		P
Veg. Waste Facility		green waste, wood waste		2953		2953.36		O-qtrly report
Biomass Facility		green waste, wood waste		2280		2280		M
DOC recycling centers		glass, plastic, aluminum		2117		2117.36		O-qtrly report
Hauler (buy-back program)		glass, plastic, aluminum, bi-metal, cardboard, paper		1990		1989.94		O -annual report
Totals				84239.11		84239.11		

Also provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources (e.g., cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business).

Non-residential diversion activities include the following:

Printing company: recycled scrap paper left over from printing processes, overruns, outdated newspapers & magazines. Quality control manager for facility supplied information via phone

Landfill: diversion programs for dirt, inerts, white goods, scrap metal, wood waste and greenwaste. All funded by Butte County. Data provided in quarterly reports and on weekly landfill commodity sheets. Available at DPW office

Construction company: recycled asphalt and concrete from road re-construction jobs. Data provided via phone

Recycling Company: local recycler operating commercial recycling program. Materials include cardboard, office paper, aluminum, glass, plastic, newspaper and vegetative waste. Data supplied in quarterly reports. Available at DPW office

Thrift Stores: re-use. Common household items. Data provided from UCLA study on conversion factors for different commodities and types of businesses. 8 stores, 425.7 tons per store.

Veg. waste facility: drop-off facility. Wood waste and green waste. Quarterly reports. Available at DPW

Biomass facility: drop-off facility. Wood waste and green waste. Data supplied by plant manager. Mail-in survey. Available at DPW office.

DOC recycling centers: 20/20 recycling centers throughout Butte County. Annual report provided by DOC.

Hauler buy back program: glass, plastic, aluminum, bi-metal, cardboard and paper. Customers bring commodities to buy-back centers operated by haulers. Data provide via quarterly hauler reports. Available at DPW.

10. For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

Note: program name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.").

Restricted Waste Type	Specific Program Name	Year Started	Tonnage
Inert Solids	Inert Diversion - Neal Road Landfill & private contractors	1995	20859
Scrap Metal	Scrap Metal Diversion - Neal Road Landfill	1997	44
White Goods	White Goods Diversion - Neal Road Landfill	1997	209
Pull Down for Waste Types			
Pull Down for Waste Types			
Pull Down for Waste Types			

b. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board - on a separate sheet marked "Attachment 10b", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- That the jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

(Date)

If documentation is not available, go to 10d.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		
Pull Down for Waste Types		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. Note: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.

Restricted Waste Type	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				
Pull Down for Waste Types				

Base Year Diversion Calculations **Butte Regional Waste Management Authority**

Source/Contact	Commodity	Conversion Factor	Tons Diverted	
COMPOSTING GRASSCYCLING AND CHIPPING WASTE				
Golf course	Mulched grass	100 acres @ 7.6 tons/acre	760.00	
Biggs Unified School District	Mulched grass	11 acres 7.6 tons/acre	83.60	
Paradise Unified School District	Mulched grass	38.05 acres @7.62tpy/acre	289.94	
	Paper	500 lbs/week reused in-house	9.50	
Durham Unified School District	Mulched grass	20 acres @ 7.62 tons/acre	152.40	
Palermo School District	Mulched grass	15 acres @ 7.62 tons/acre	114.30	
Golf course	Mulched grass	180 acres @7.6 tons/acre	1,368.00	
Golf course	Compost	16 acres @ 7.6 tons/acre	121.92	
Golf course	Mulched grass	56 acres 7.6 tons/acre	425.60	
Golf course	Compost	30 acres @ 7.6 tons/acre	228.00	
	Aluminum Cans	33 gallons/mo. @ .4424 lbs./gallon 14.59 lbs/mo X 12 months	0.09	
Golf course	Mulched Grass	16 acres @ 7.6 tons/acre	121.60	
	Aluminum Cans	gall .4424lbs/gall = 1,327.2 lbs.	0.66	LA Co. 11.98 conversion factor
Golf course	grasscycling	5 acres @ 7.62	38.10	
Thermalito School District	Mulched grass	38 acres @7.62 tons/acre	289.56	
	brush, prunings	5yd dump truck approx. 10x/year	1.17	brush taken to Pacific Oroville Power, Inc.
Paradise Vegetative Waste Yard	mulch, ADC	Material used for ADC at NRLF or mulch, depending on size of material	2953.36	Reported by Waste Mgmt & Norcal, facility jointly operated by both companies

BIOHAZARD				
Pacific Oroville Power, Inc.	greenwaste	fuel for co-generation plant	2,280.00	Self-hauled by customers to plant
GARAGE SALES				
	2649 sales		426.49	Chico Planning Dept. estimated 19,371(54%) city households and 16,243 (46%) county hh in Chico Urban Area in 1995.
Enterprise Record Saturday Editions		0.35 tons/garage sale x 46% of hou		
Paradise Post - Saturday Editions (M	866 sales	.35 tons/garage sale	303.10	Actual number of yardsales based on Saturday editions
THRIFT STORES				
Various - Listing of Thrift Stores Av	8 stores	425.7 tons per store	3,405.60	
CURBSIDE RECYCLING				
City of Biggs	Paper Plastic Glass Cardboard Metals	mixed paper, newspaper HDPE, PET CRV aluminum, tin	159.40 14.70 65.00 5.10 5.90	Reported by Waste Management.
Paradise & Upper Ridge Curbside (Town limits & unincorporated Co.)	newspaper Plastic Glass Metals	HDPE, PET, LDPE mixed glass steel, tin, bi-metal	36.49 2.56 11.36 1.05	Program operated by non-profit group. Totals reported by Norcal on behalf of COVE. Not counted in Norcal's diversion totals.
County Curbside	aluminum occ glass mixed paper newspaper plastic metals yard waste C&D	all glass office paper, mixed paper, magazin bi-metal, scrap metal, tin, etc greenwaste, wood waste	14.74 134.55 686.37 668.17 660.96 88.54 29.11 734.33 216.63	County JPA area reported by Norcal and Waste Management. Totals are for both companies combined. Individual data available from DPW
BUSINESS/COMMERCIAL RECYCLING				
Commercial Recycling in BRWMA	aluminum occ glass mixed paper newspaper plastics metals yardwaste	HDPE, PET bi-metal, scrap metal, tin, etc yardwaste, wood waste	1.18 1,322.59 616.26 271.33 509.41 63.57 37.38 3,400.95	Data obtained from hauler's quarterly diversion reports. Available at DPW

BUY-BACK & DROP-OFF RECYCLING COMBINED				
Work Training Center	aluminum		38	Data obtained from yearly waste diversion report.
	cardboard		75	
	glass		150	
	plastic		8.45	
	Bi-Metal		0.25	
	Newspaper		68	
BRWMA Buy-back & Drop Off	aluminum		95.604	Data obtained from yearly waste diversion reports from all haulers. Available at DPW
	occ		63.839	
	glass		155.2275	
	mixed paper		61.84	
	newspaper		496.85	
	plastic	HDPE, PET, LDPE	30.934	
	Metals	tin, steel, other metal	243.28	
	yard waste		502.69	
Dept. of Conservation (DOC) 20/20 Ctrs etc.	aluminum		519.34	Data from DOC report. Centers located in Uninc. Co., Paradise & 45% from City of Chico
	glass		1,406.89	
	plastic		190.89	
	bi-metal		0.24	
MRF				
	aluminum		0.93	Data reported by all hauling companies using MRF's. North Valley Disposal reports commercial recycling data as MRF processed materials per Bill Mannel. All reports available at DPW
	occ		203.89	
	glass		463.40	
	mixed paper	mixed paper, office paper	166.83	
	newspaper		333.65	
	plastic	HDPE, PET	18.65	
	metals	scrap metal, bi-metal, tin, etc.	188.84	
	yardwaste		1,019.29	
	C&D		370.73	
	ADC	from YSDI	27.00	
other	reported as "misc" by Norcal	978.05		
STATE AGENCY RECYCLING				
Butte Community College	various	see annual State Agency Report	932.00	Report available at DPW
Chico State Univ. Farms	compost		10.00	State Agency Waste Reduction Worksheet
CSU Chico Farms	Tires		3.00	CSUC State Agency Waste Red. Report
SUPERMARKETS in-house programs - not through haulers				
Grocery store	Cardboard		137.14	
	Plastics		2.01	
	meat, fish, bone		7.42	
	Donations	dented cans & expired pet food	3.55	

Grocery store	Cardboard		300.00	
	waxed cardboard		40.00	
	mixed paper		1.00	
	bone & fat	Sent to Holiday Mkt. Regional facility	30.00	Total for all three stores: Durham, Paradise & Magalia
Commercial/Industrial recycling other than through haulers				
Shredding company	Paper	Confidential Document Shredding	0.50	Report from Company
Paradise Post	aluminum	binding straps	9.00	Reported by Paradise Post. Self-hauled to Oregon paper mill & recycled into clean newsprint. Paradise Post is a regional printer - many newspapers and periodicals printed in addition to daily newspaper.
	cardboard		53.50	
	newspaper		16,250.00	
	pallets		6.00	
	clean newsprint		48.00	
Scrap metal company	Scrap Metal		44.34	Reported by Chico Scrap Metal
TIRES				
			104.69	
Neal Road Landfill	Tires	Tires used for fuel at Calaveras Cement Pla		
RENDERING FOOD WASTE				
Rendering company	Tallow, Bone & Fat	35,000 lbs/mo from Region	72.00	Current figures reported by processing plant
CONSTRUCTION/DEMOLITION				
Construction company	asphalt/concrete		1,540.00	
Construction company	asphalt/concrete		8,800.00	55,000 tons A/C processed between 96-2000. 80% from County
	steel		20.00	
Town of Paradise - Public Works	Asphalt Concrete	Road materials re-used by Public Works Crews during construction	1,040.00	
Butte Co. Public Works	asphalt/concrete	road material reused for Co. road repair jobs.	700.00	
Neal Road Landfill	Dirt	Used as ADC	41.00	All landfill diversion programs are sponsored and funded by County
	Inerts	Rock, concrete, brick, used for winter tipping area	8,759.00	
	Woodwaste	Includes green waste	7,240.00	

White Goods	1,553 units x 269.75 lbs.	209.45	weights from diversion study guide: washers 321 lbs, dryers 224 lbs, stoves 300 lbs, dishwashers 234 lbs. Avg = 269.75 lbs.
Scrap Metal	water heaters, sheet metal, etc.	44.34	free scrap metal drop off funded by County
Stumps	138 stumps total. Assume max. (4)	18.63	

--

2000 Tons Diverted	77,476
2000 Tons Disposed from Region	115,523
Total 2000 Tons Generated	192,999
2000 Diversion Rate	40%